

**Remarks**

Favorable review is requested in view of the above amendment and the following remarks. Editorial amendments have been made to the Title. Claims 1 - 6 are pending in the application.

**Specification**

A new title of the invention was required. The title has been amended.

**Rejection under 35 U.S.C. § 103**

Claims 1 - 4 were rejected under 35 U.S.C. § 103(a) as being unpatentable over Manteghi (U.S. Patent No. 6,177,726) in view of Takeuchi (U.S. Patent No. 5,482,760). Applicants respectfully traverse this rejection, and respectfully request reconsideration in view of the following comments.

Claim 1 requires that at least the semiconductor chip has outer surfaces coated with a coating film formed of amorphous fluoro-resin. The rejection recognizes that Manteghi fails to disclose that at least the semiconductor chip has outer surfaces coated with a coating film formed of amorphous fluoro-resin. The rejection relies on Takeuchi for this limitation. However, Takeuchi is directed at a transparent film for carrying a toner image formed by an electrophotographic or electrostatic printing method. In particular, column 13, lines 29 - 31 of Takeuchi, referred to in the rejection, is directed to a corrosion-resistant (stainless) steel roller that is coated with fluoro-resin. Takeuchi has nothing to do with coating the outer surfaces of a semiconductor chip. Therefore, there is no motivation to combine Takeuchi with Manteghi.

In addition, Manteghi is directed at techniques for insulating bonding wires during assembly of an integrated-circuit package. See column 1, lines 8 - 10 of Manteghi. Manteghi requires that the insulating/coating layer be made of SiO<sub>2</sub>. The SiO<sub>2</sub> is required to prevent electrical short-circuits. See column 3, lines 40 - 47 of Manteghi. Therefore, Manteghi directly teaches away from the combination suggested by the rejection, i.e. the replacement of SiO<sub>2</sub> with some other material. Withdrawal of the rejection is requested.

Claims 5 - 6 were rejected under 35 U.S.C. § 103(a) as being unpatentable over Manteghi (above) in view of Takeuchi (above) and Hohn et al. (U.S. Patent No. 6,245,259). Applicants

respectfully traverse this rejection, and respectfully request reconsideration in view of the following comments.

Manteghi and Takeuchi are distinguished above. Hohn et al. are relied upon to suggest that the semiconductor chip is a LED chip and that the resin package is formed of a transparent resin. Even if it does, which is not being conceded, this reference fails to remedy the noted shortcomings of the other references. Thus, withdrawal of the rejection is requested.

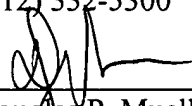
### Conclusion

In view of the amendments and comments presented herein, favorable reconsideration is the form of a Notice of Allowance is respectfully requested. If the Examiner believes a telephone conference would advance the prosecution of this application, the Examiner is invited to telephone the undersigned at the below-listed telephone number.

Respectfully submitted,

MERCHANT & GOULD P.C.  
P.O. Box 2903  
Minneapolis, Minnesota 55402-0903  
(612) 332-5300

Date: February 17, 2004

  
\_\_\_\_\_  
Douglas P. Mueller  
Reg. No. 30,300  
DPM:CAJ

**23552**

PATENT TRADEMARK OFFICE